

PLANNING MEETING

0900 4/23/79

1. Agenda, 0900, 4/23/79, Task Management/Schedule Meeting
2. Review Top Priorities List
3. Review Action Items from "1800", 4/22/79 Technical Review Meeting
4. Review Tasks Lists

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AGENDATechnical Group Meeting0900 4/23/79

1. Radioactive Releases
  - a. Identification and isolation of sources
  - b. Trending at outlet of condenser air ejector
  - c. Possibility of water in Waste Gas Decay Tanks
2. Status of:
  - a. RCS Sample #4 results
  - b. Filter replacement
  - c. Auxiliary Building roof ventilation system
  - d. EPICOR (Cap-Gun 2)
  - e. Tank farm in Unit 2 spent fuel pool
  - f. Decontamination efforts/ADHR
  - g. Liquid Waste Processing
  - h. Hydrogen recombiner
  - i. Charcoal filters for ventilation systems for welding operations
  - j. Signoff of procedure to be used if RCP is lost.
  - K. Reactor Coolant pressure/volume control system.
3. RC Makeup Boron Concentration to Maintain 3000 PPM
4. Schedule and Development of Plans for Initiation of Natural Circulation
5. Alternate Pressurizer Level measurement

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① *permits* *cool unit. begin to signal failure of in 12 hrs*  
PROPOSED SEQUENCE FOR ATTAINING  
NATURAL CIRCULATION COOLING MODE

Technical Group Meeting

1800 4/22

1. Train Operating Crews
2. Make connections to feed line for alternate method *steam* of solid cooling of "B" OTSG. Sample condensate in ~~feed~~ line.
3. Take "B" OTSG solid, including steam and feed piping (existing). Take Sample.
4. Transfer heat load to "B" OTSG, shutting down turbine generator and "A" OTSG steam paths. ("A" OTSG bottled up)
5. Take "A" OTSG solid and start solid circulation on "A" OTSG.
6. Evaluate putting "B" OTSG in solid standby.
7. Complete DHR system upgrade work (critical path ETC 4/29).
8. Initiate Natural Circulation. to 5/2

*Next Schedule.*

*Meeting of Task Force @ 8PM  
to discuss Nat. Circ.  
Jacob Herbin's Trailer*

*B. OTSG long term mod. ↓ 5/10  
target 5/2 but may do  
long a 5/10*



ACTION ITEMSTechnical Review Meeting1800 4/22/79

	<u>Action</u>
1. Arrange to discharge through both Eberline detectors at condenser air ejector discharge.	Herbein
2. Try to check sight glasses at Gas Decay Tanks for level, if this can be done without unreasonable personnel exposure.	Herbein
3. Survey readings are to be recorded when radiation areas are entered.	Herbein
4. Maintain RCS boron concentration at 3000 PPM.	
a. Calculate concentration to be used while making up to RCS by 0800 4/23.	Wilson
b. In the interim, RCS makeup is to be 2000 PPM Boron.	Herbein
5. Blank off 2 inaccessible Aux. Bldg. filters.	Herbein
6. Arrange procedure and procure materials for short-term storage of spent filters.	Rusche/ Herbein
7. Investigate means to direct the sound from the Auxiliary Building roof fans upward.	Cobean
8. Determine reason for schedule slippage of piping installation for EPICOR (Cap-Gun 2).	Cobean
9. Shield sample lines which interfere with access to work areas.	Cobean
10. Do not leave workers in areas during RCS sampling if emergency exit past sampling lines will give high dose.	Herbein
11. Determine containment Hydrogen concentration at which Hydrogen Recombiner is to be shut down.	Herbein
12. Continue efforts to obtain charcoal filters for welding operations.	Cobean
13. Criteria for cutoff of attempt to start Natural Circulation	2006 125
a. Revised procedure to be prepared within 4 hours.	Wilson
b. Procedure to be signed and distributed to control room immediately.	Wilson/NRC/B&W

	<u>Action</u>
c. PORC to review and approve revised procedure by telecon.	Herbein
d. Procedure to be used in the event of a loss of operating RCP.	Herbein
e. Operations personnel to be instructed in use of procedure.	Wilson/Herbein
14. Megger reactor coolant pumps.	Herbein
15. Be prepared to shift to feeding "A" OTSG through Aux. feed nozzles as a casualty procedure or on signal.	Herbein
16. Continue efforts to establish alternate method of measuring pressurizer level:	
a. Complete installation of Heise gauge on instrument rack.	Wilson
b. Bring pressurizer level to 350 inches and take readings.	Wilson/Herbein
c. Installation of Dead Weight Tester to be priority item but not interfere with ongoing test.	Wilson
17. If remaining pressurizer level indicator fails or gives indication of pending failure, Natural Circulation will be attempted within 12 hours.	
18. Check status of #2 pressurizer level indicator.	Herbein
19. Prepare procedures to support activities leading to Natural Circulation.	Herbein
20. Begin work to install connections to feed line for alternate method of solid cooling of "B" OTSG.	Cobean

Waste Management Group

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-5	Set-up to change AB/FH Bldg. vent. filters - next will be FH Bldg. filter "A".	A-1	AB "A" train comp. 4/21 FHB "A" train 4/26 FHB "B" train  AB "B" train 4/30	AB "A" train complete.	Shovlin/ Futrill/ Bitel
L-5	Caustic spraying of Aux. Bldg. areas and sump.	A-1		Continue adding to sump.	Kraft/ Seelinger
L-33	Develop plan for tying in tank farm to CAP-GUN "2".	A-1		In progress. Investigating secondary tie to tank farm.	Snyder
G-31 (WG-9)	Determine air flow paths in AB & FHB	A-1		In progress. Operating matrix avail. 4/22.	Itschner/ Robison

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Plant Modifications

Task	Description	Priority	Expected Completion	Status	Task Coord.
WG-2 (L-1)	Decon. water in AB using CAP-GUN "2" (EPICOR).	A-1	Turnover for test 5/9	Equipment avail. 4/22	Cobean
WG-6 (L-2)	Install storage vessels in Fuel Pool "A".	A-1	Turnover for test 5/9	3 tanks set	Cobean/ Gunn
TS-4	Develop complete package for measuring water level inside Reactor Building.	A-2	Heise Gauges instal. 4/12	Do not open DH-V6B until approved.	DeVine/ Cobean/ Herbein
WG-1	Install AB/FHB Filter System.	A-2	Installation comp. 4/26	Equip. avail. 4/22	Gunn
TS-13	Install and complete turnover package of electrical heaters in supply side of Aux. Bldg.	A-2	To be scheduled.		Gunn
TS-13A	Develop complete package for short-term cooling of "A" OTSG.	C-1	Installation comp. 5/3	Options being evaluated. Equip. avail. 4/20. On hold.	Wilson/ Cobean
TS-10	Decide location design/ install 2-2500 kW diesel generators - check shipping damage - vendor. Run diesel, fill fuel system.	C-1	Installation comp. 4/20	Turnover for test 4/26/79	Cobean/ Gunn/ Toole
TS-3C	Develop complete package for long-term cooling of OTSG "B".	C-1	Revised schedule by 4/23	Turnover for test 5/1/79	Wilson/ Cobean
TS-11	Develop electrical distribution system. Install cabling and switchgear from DG's to current BOP loads requiring loss of off-site power protection.	C-1	Installation comp. 4/20	Turnover for test 4/26/79	Cobean
TS-6	RC loop passive and active pressure control system.	C-2	Installation comp. 5/2	Reviewing schedule	
TS-6B	Design/Install makeup system for RCS.	C-2		Turnover for test 5/5/79	
TS-6C	Evaluate letdown capabilities for RCS modification.	C-2		To be scheduled.	
TS-14	Shield for decay heat pump.	C-2	Instal. to be scheduled	Equip. avail. 4/16	Wilson
WG-16	Provide cap for Aux. Bldg. vent stack.		Installation comp. 4/26	Equip. avail. 4/22	Gunn

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Plant Operation Staff

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Investigate fuel building HVAC.	A-1		In progress	Logan
2.	Recalibrate Eberline Rad Monitor under direction of Service Rep. (HP-R219) (Vent stack)	B-1		Both monitors in service	Brunner
3.	Pump out Aux. Bldg. elevator shaft.	B-2		Sump pumped out H.P. Survey required. Contacts corroded; reviewing.	Waste Mgm
4.	Reduction of RCS temp (steaming through turbine)	C-1		235 rpm @0500 4/22	Broughton
5.	SSRW pump repairs	C-1		"A" - In Service "B" - Parts "C" - Dissassembling "C" Pump Parts due 4/27	Miller/ Shovlin
6.	Begin Waste Gas Program to determine location of gas leaks.	C-1			Seelinger
7.	Obtain RCS pressurized samples; review sample frequency (Broughton)	C-2		Sample taken 1000 4/22	Thorpe/ Hetrick/ Shift Sup
8.	Pressurizer Heise and diff. press.	C-2		Correlation Study	DeVine
9.	Boron concentration in RCS calculation.	C-2		2470 @ 2400 4/22	Broughton Shift Sup
10.	Put thermocouples on recorder system - Incore system. Need amplifiers (30) - need 48 bridges - need priority list of what points go on which recorder.	C-2		44 on recorder. Being connected. 12 critical recorders on display 4/22	Ackerman/ Weaver
11.	Addition of Hydrazine to RCS.	C-2		Added 25 litres on 4/19	B&W/Roger Logan
12.	Obtain MEC approval and WR's (Tie in approval only.)			Need ECM's 036, 041, 052, 056, 055, 065, 069, 075, 077	Porter/ Faulkner/ Seelinger

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Task	Description	Priority	Expected Completion	Status	Task Coord.
13.	Verify vacuum degasser operation.				Miller/ Logan/ Shift Sup
14.	Need 1000 psig, 1/2 gpm hydro pump.			On order	Shovlin
15.	Caustic spraying of Aux. Bldg.			Waiting for smear in DHR room.	

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Technical Support

Task	Description	Priority	Expected Completion	Status	Task Coord.
TM-30	Determine what B.O.P. loads need backup elec. power.	C-1	4/21	Criteria issued 4/13; in review	Capodanno
LS-2	Tech. Spec. deletions, changes, and additions for long-term cooling.	C-1	5/1	Issue 5/1/79; NRC interactions under negotiation.	Harding (Stair)
AA-9	Recommendation for end point of degas mode.	C-1	4/21	Issue 4/20	Crimmins
TM-32	Review with B&R work on DHR system modification.	C-1	4/22	Issue 4/22	Capodanno
TM-35	Establish long-term plant instrumentation requirements.	C-1	4/22		Croneberge Chisholm
TM-21b	Closed cooling system for OTSG "B" - long-term, high press. criteria.	C-1	4/21		Capodanno
TM-22a	Closed cooling system for OTSG "A" - short-term, low press. criteria.	C-1	4/21		Capodanno
AA-61	Updated safety analysis report (B&W)	C-1	4/23	Revised report	B&W

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WESTINGHOUSE

Task	Description	Priority	Expected Completion	Status	Task Coord.	Notes
I.B.1.	Decontaminate for DHR Sys. checkout	C-1	4/23 4/28	DH Vaults DH Valve Room	Siano	
I.B.2.	Install Aux. Bldg. T.V. monitor for existing DHR system.	C-1	4/22	After decon.	"	
I.B.4.	Install DHR remote operation equipment.	C-1		After decon. 4/26	"	
I.B.5.	DHR flow/pressure tests	C-1		After decon.	"	
II.A.1.	ADHR (new) system design and approval	C-1	4/24	Ongoing	"	1
II.A.1.	ADHR final test procedure	C-1		Ongoing	"	
II.A.1.	Final ADHR installation procedure	C-1	4/24	Ongoing	"	2
II.A.2.	ADHR procurement	C-1	4/27	Ongoing	"	3
II.B.	ADHR installation	C-1		No status	"	
	Licensing Report	C-1	4/20	Ongoing	"	4

- NOTES:
- (1) Exterior piping design complete 4/21; ECW skid design complete 4/21.
  - (2) Interior piping ECM submitted 4/20.
  - (3) Electrical trailer delivered and spotted 4/21.
  - (4) Licensing report currently being reviewed by GPU.

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Industry Advisory Group

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Determine method of finding leak in vent header	1+		ASAP	Lawborski
2.	Provide recommendation for alternate methods of P/V control	1		In progress	Ackerman
11.	Instrument diagnostics	1		Continuous	Ackerman
18.	Risks/Advantages of going to Natural Circulation as is vs. Present Plan	1		In typing	Paddlefor
25.	Instrument				
	a. 12 selected TC's on recorder or computer	1		In progress	Stroupe
	b. TH & TC on recorder	1		In progress	Stroupe
26.	Review of Natural Circulation	1			Levy
27.	Determine containment response to loss of all continuous cooling	1	Completed 4/22	Completed 4/22	Theising
12.	Specifications for Reflux Boiler Test				
	a. Feasibility	2		In typing	Fornandoz
	b. Specific parameter	2		In typing	Fornandoz
13.	Water Level/Reactor P/V				
	a. Short-term	2		In progress	Ackerman
	b. Long-term	2		In progress	Ackerman
14.	Model for boron/gas in primary system	2		Being written	Koler
19.	Time to core melt with no external cooling and removal through flooding of containment	2		Not started	Fornandoz
22.	Plant Mod - piping and equipment	2		In progress	Lawborski
28.	Evaluate measurement of containment level by activity from outside.	2			Lawborski
29.	Heat transfer from degraded core configuration.	2			Levinson

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Task	Description	Priority	Expected Completion	Status	Task Coord.
20.	Evaluate various alternatives to decontaminate plant; long-term.	1		Not started	Lawborski

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